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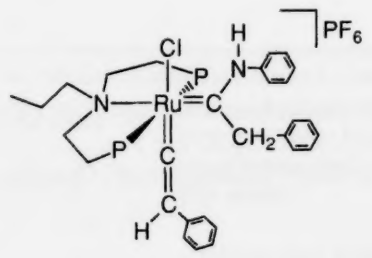

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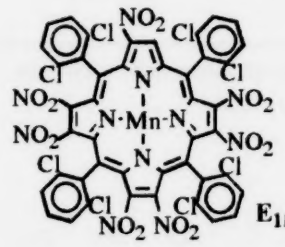

Mn(II)[TDCP(NO$_2$)$_7$P]

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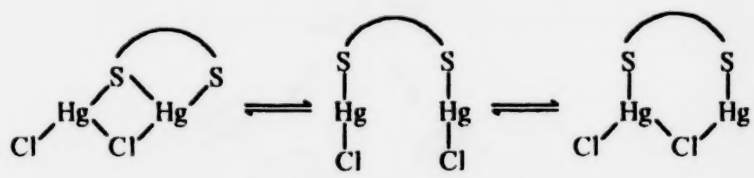

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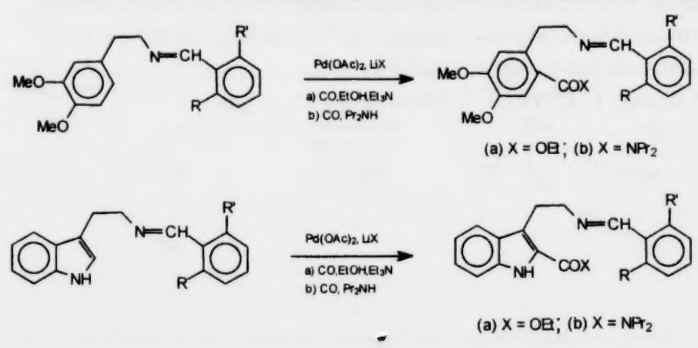

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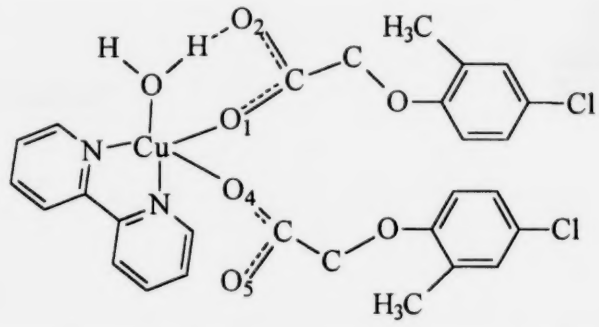
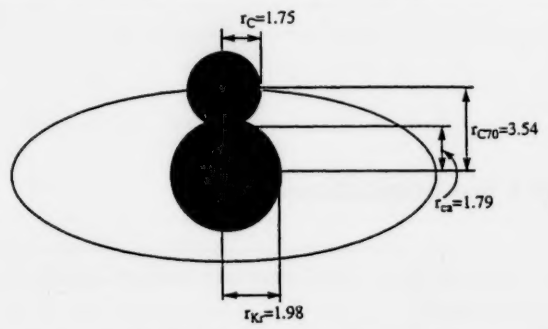
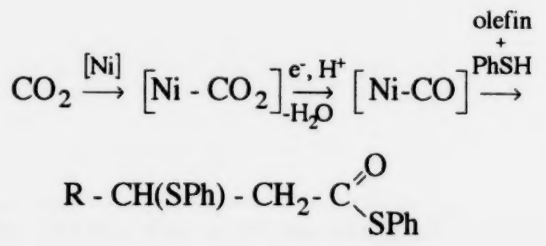
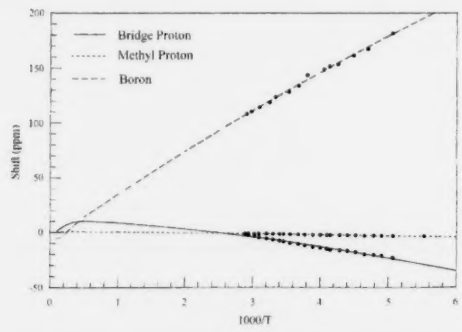
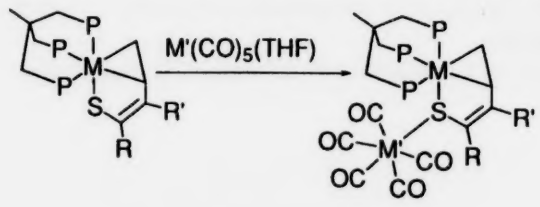
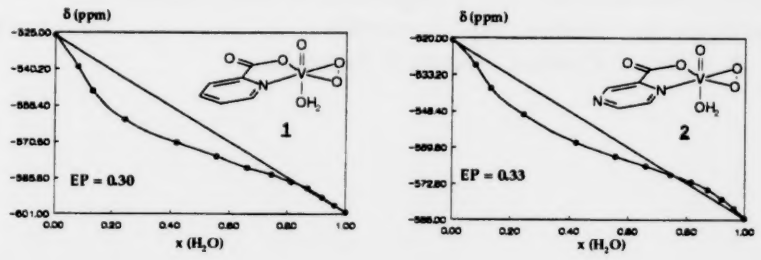
Cu^{II}–herbicide complexes: structure and bioactivity ..... G. Psomas, C. Dendrinou-Samara, P. Philippakopoulos, V. Tangoulis, C.P. Raptopoulou, E. Samaras, D.P. Kessissoglou	24	
Exohedral and endohedral complexation energies of complexes $X@C_{70}$ between higher fullerene and rare-gas atoms (X = He, Ne, Ar, Kr, Xe) ..... Y.K. Sung, M.-S. Son, M.S. Jhon	33	
Bioinorganic chemistry of nickel and carbon dioxide: an Ni complex behaving as a model system for carbon monoxide dehydrogenase enzyme..... I. Tommasi, M. Aresta, P. Giannoccaro, E. Quaranta, C. Fragale	38	
Calculation of NMR paramagnetic shift temperature dependence in actinide methyl borohydrides..... B.R. McGarvey	43	
Synthesis and characterization of heterobimetallic complexes containing C–S cleaved thiophenes ..... C. Bianchini, M.V. Jiménez, A. Meli, S. Moneti, F. Vizza	55	
Solvation, preferential solvation and complexation by the solvent of peroxovanadium complexes studied by ^{51}V NMR spectroscopy. Correlations with the oxidative reactivity ..... V. Conte, F. Di Furia, S. Moro	62	

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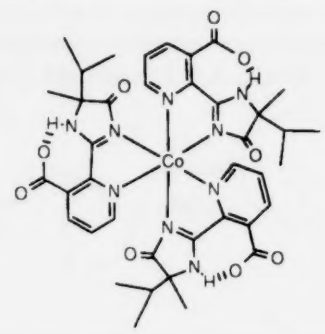

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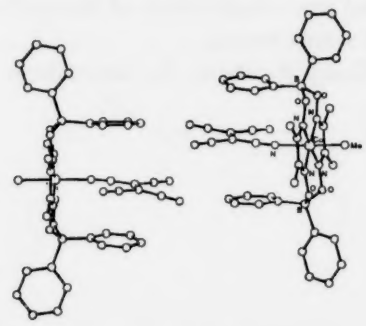

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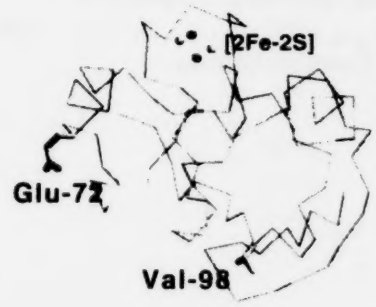

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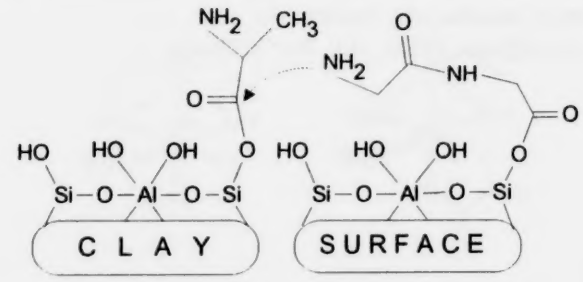

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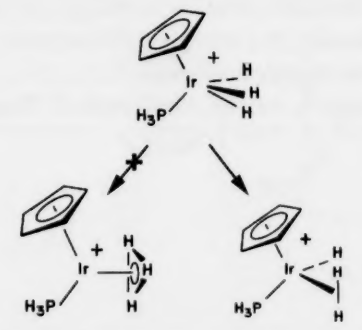

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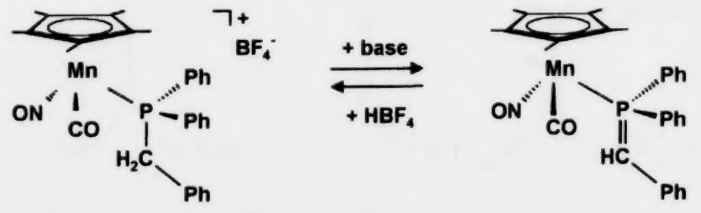
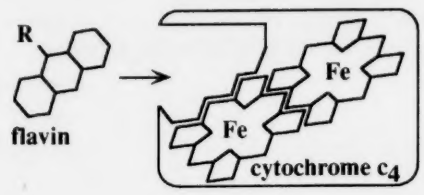
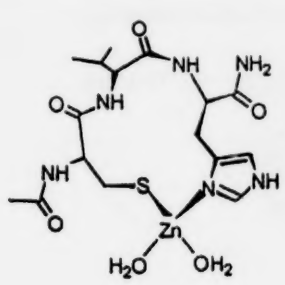
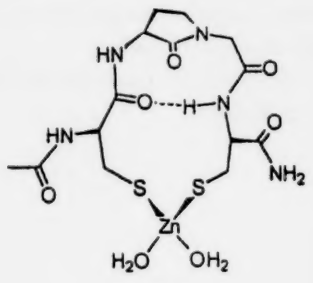
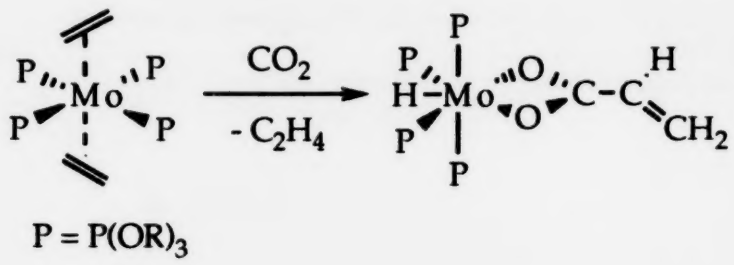
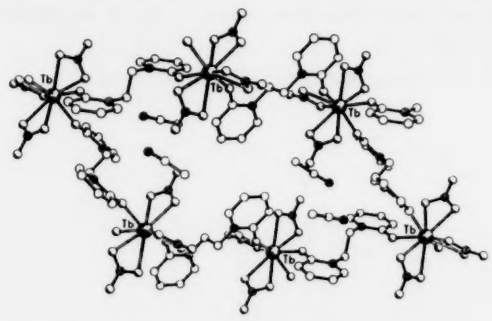
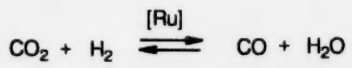
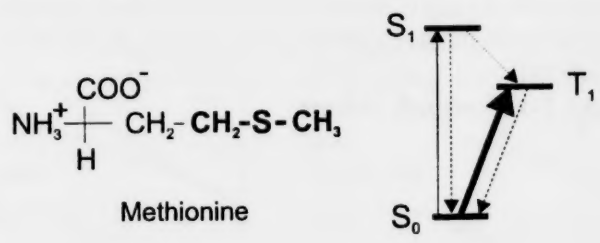


Photosensitized electron transfer reactions of cytochrome c_4 from *Pseudomonas stutzeri* with flavins and methyl viologen ..... 109 N.H. Andersen, M. Hervás, J.A. Navarro, M.A. De la Rosa, J. Ulstrup	
Solution behaviour and zinc complexation of tripeptides with cysteine and/or histidine at both termini ..... 115 P. Gockel, M. Gelinsky, R. Vogler, H. Vahrenkamp	 
Synthesis and reactivity of bis(ethylene)-phosphite complexes of molybdenum(0) ..... 125 C. Collazo, M. del Mar Conejo, A. Pastor, A. Galindo	
Lanthanide metal complexes of *N,N'*-ethylenebis(pyridin-2-one); from chelates to metallacyclic frameworks ..... 131 D.M.L. Goodgame, S.P.W. Hill, D.J. Williams	
The reaction of $Ru(CO)_2(MeCO_2)_2(PR_3)_2$ or $Ru_2(CO)_4(MeCO_2)_2(PR_3)_2$ [R = Bu, Ph] with H_2 in the presence of Na_2CO_3: a stoichiometric carbon dioxide activation ..... 141 P. Frediani, C. Faggi, A. Salvini, M. Bianchi, F. Piacenti	
Detection of two novel lowest lying singlet–triplet transitions of the C–S–C chromophore in L-methionine ..... 150 P. Faller, M. Vašák	

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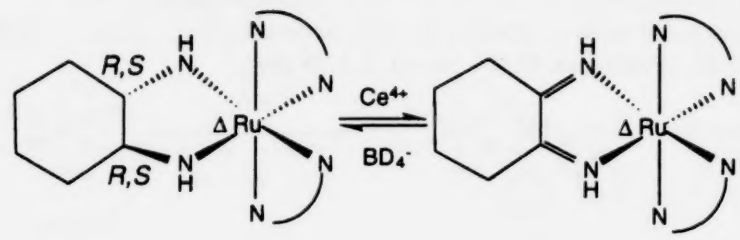

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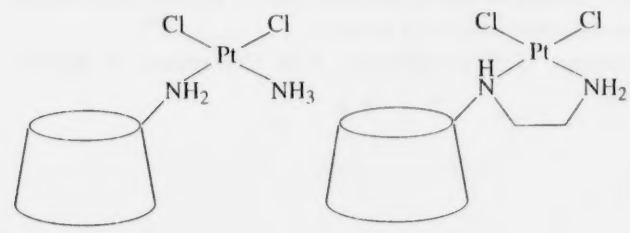

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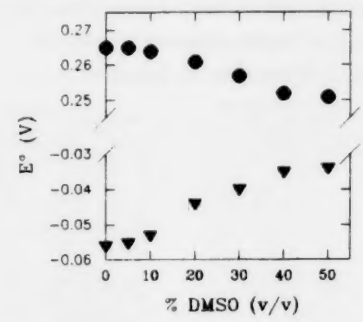

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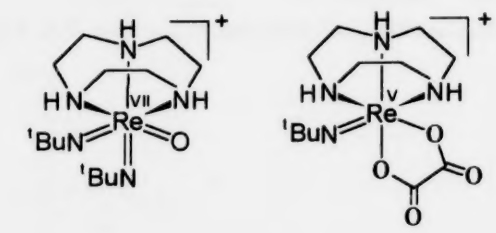

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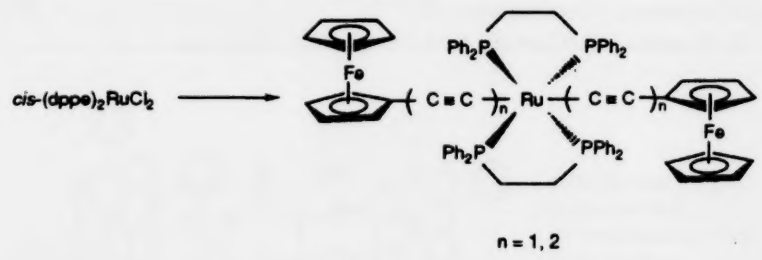

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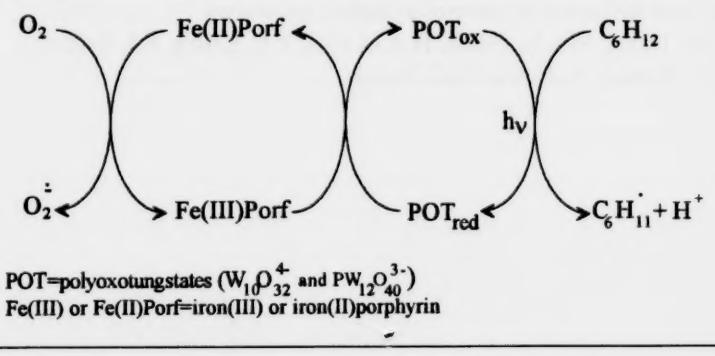

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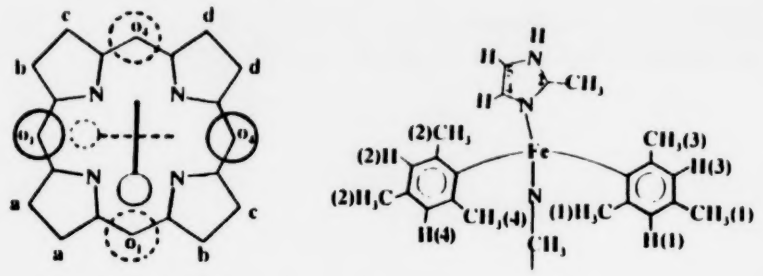

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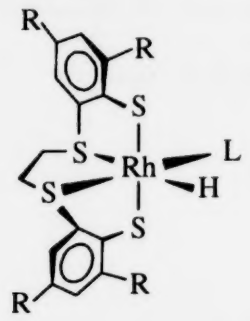

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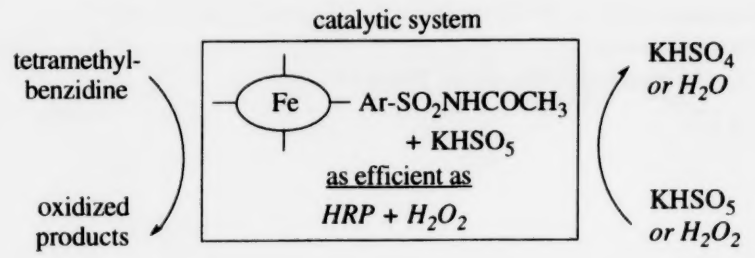

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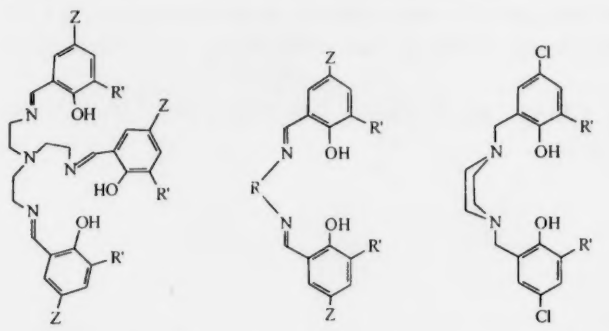

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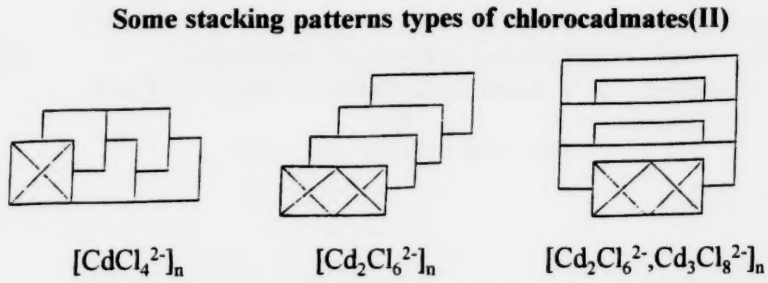

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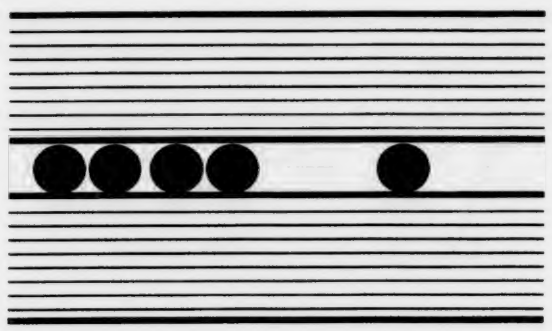
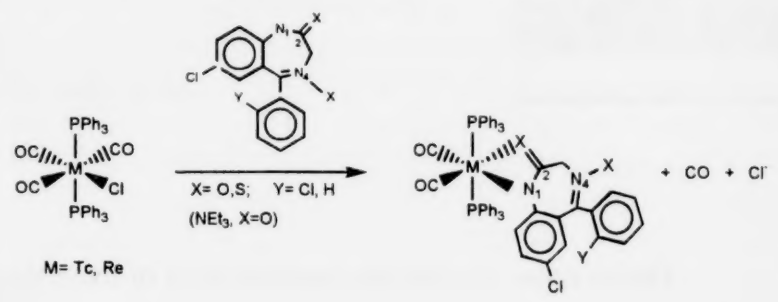
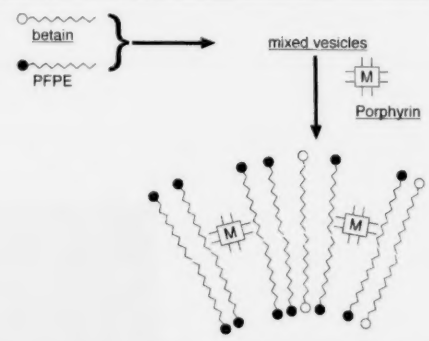


Technetium and rhenium carbonyl complexes with 1,4-benzodiazepine derivatives: X-ray crystal structure..... A. Marchi, L. Marvelli, R. Rossi, V. Bertolasi, V. Ferretti	267	
Spectroscopic characterization of fluorinated/hydrogenated mixed vesicles containing fluorinated Mn(III)-porphyrin ..... S. Rossi, S. Ristori, G. Pozzi, G. Martini	274	

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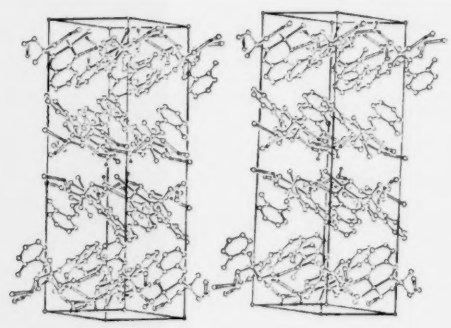
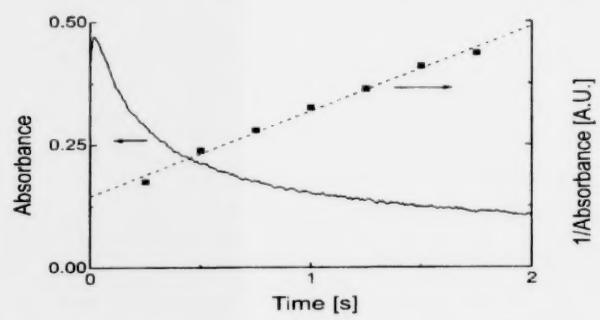
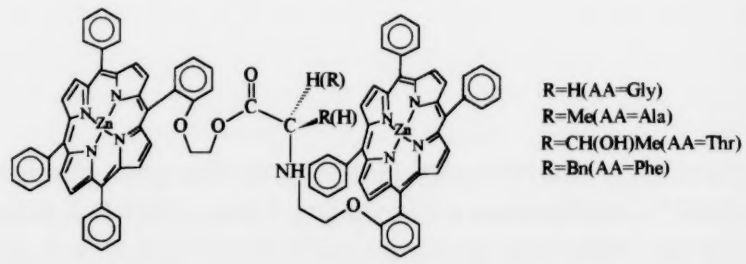
Ni(II) and Cu(II) Schiff base complexes with an extended H-bond network ..... C.P. Raptopoulou, A.N. Papadopoulos, D.A. Malamatari, E. Ioannidis, G. Moisidis, A. Terzis, D.P. Kessissoglou	283	
Stopped-flow spectrophotometric study on the reactions between copper(II) ions and some dithiophosphates..... N.D. Yordanov, L. Antov, G. Grampp	291	
The synthesis and spectroscopic characterization of a chiral zinc(II) porphyrin dimer containing an amino acid bridge: model complexes for the induced circular dichroism of porphyrin protein supramolecules ..... H. Liu, J. Huang, X. Tian, X. Jiao, G.-T. Luo, L. Ji	295	

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